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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

Art Unit : 1645
Examiner :
Filed : May 10, 2001
Serial No. : 09/852,378
Inventors : Michel Lazdunski
: Pierre Escoubas
: Jan DeWeille
: Sylvie Diochot
Title : POLYPEPTIDE INHIBITING
: A PROTON-GATED Na⁺
: CHANNEL, A NUCLEIC ACID
: CODING FOR SUCH
: POLYPEPTIDE AND A
: METHOD OF MANUFACTURING
: AN ASIC1a CHANNEL BLOCKER



22469

PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

Dated: September 24, 2002

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

We submit herewith the usual Form PTO-1449 together with copies of publications listed therein.

We are submitting this in the spirit of voluntary disclosure and look forward with interest to the Examiner's action at an early date on the merits of the case.

It is accordingly requested that the Information Disclosure Statement be officially entered in the file of this case and that appropriate notification be made that it was considered in the prosecution of the case.

Respectfully submitted,

T. Daniel Christenbury
Reg. No. 31,750
Attorney for Applicants

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(215) 563-1810

Use several sheets if necessary)

1105-R-

09/852.378

Michel Lazdunski et al.

May 10, 2001

1645

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓ Waldmann, R., Champigny, G., Bassilana, F., Heurteaux, C. and Lazdunski, M. "A Proton-Gated Cation Channel Involved in Acid-Sensing", *Nature*, 386, 173-177, 1997.

Chen, C.C., England, S., Akopian, A.N and Wood, J.N., "a Sensory Neuron-Specific, Proton-Gated Ion Channel", Proc. Natl. Acad. Sci. USA. 95, 10240-10245, 1998.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

OCT 01 2002

Docket Number (Optional)

1105-R

Application Number

09/852,378

Applicant(s)

Michel Luzdunski et al.

Filing Date

May 10, 2001

Group Art Unit

1645

*EXAMINER
INITIALS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓ Price, M.P., Snyder, P.M. and Welsh, M.J., "Cloning and Expression of a Novel Human Brain Na⁺ Channel", J. Biol. Chem., 271, 7879-7882, 1996.

✓ Lingueglia, E., de Weille, J.R., Bassilana, F., Heurteaux, C., Sakai, H., Waldmann, R. and Lazdunski, M., "a Modulatory Subunit of Acid Sensing Ion Channels in Brain and Dorsal Root Ganglion Cells", J. Biol. Chem., 272, 29778-29783, 1997.

✓ Waldmann, R., Bassilana, F., de Weille, J., Champigny, G., Heurteaux, C. and Lazdunski, M., "Molecular Cloning of a Non-Inactivating Proton-Gated Na⁺ Channel Specific for Sensory Neurons", J. Biol. Chem., 272, 20975-209758, 1997.

✓ Hucho, F. (1995), "Toxins as tools in neurochemistry", Ang. Chem. Int. Ed. Eng., 34, 39-50.

✓ Narasimhan, L., Singh, Jr., Humblet, C. Guruprasad, K. and Blundell, T., "Snail and Spider Toxins Share a Similar Tertiary Structure and 'Cystine Motif'", Nat. Struct. Biol., 1, 850-852, 1994.

✓ Pallaghy, P.K., Nielsen, K.J., Craik, D.J. and Norton, R.S., "A Common Structural Motif Incorporating a Cystine Knot and a Triple-stranded Beta-sheet in Toxic and Inhibitory Polypeptides", Protein Sci., 3, 1833-1839, 1994).

✓ Norton, R.S. and Pallaghy, P.K., "The Cystine Knot Structure of Ion Channel Toxins and Related Polypeptides", Toxicon, 36, 1573-1583, 1988.

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